



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/553,586	04/20/2000	Gideon Lee	79269.913	4827

29315 7590 03/09/2004

MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO PC
12010 SUNSET HILLS ROAD
SUITE 900
RESTON, VA 20190

EXAMINER

BECKER, SHAWN M

ART UNIT	PAPER NUMBER
----------	--------------

2173

DATE MAILED: 03/09/2004

16

Please find below and/or attached an Office communication concerning this application or proceeding.

7

Office Action Summary

Application No.

09/553,586

Applicant(s)

LEE ET AL.

Examiner

Shawn M. Becker

Art Unit

2173

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 December 2003.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 14-33 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 14-33 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This action is in response to communication filed 12/29/03.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 14-33 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,249,291 to Popp et al. (hereinafter Popp).

Referring to claim 14, Popp discloses a computer program product with computer usable medium having computer readable program code that uses a namespace in generating a GUI (web page in a browser). See the description about Group Object on page 15, line 36 – page 16, line 47 for a description of how Popp uses namespaces. A Name property identifies the group (namespace).

Popp discloses computer readable program code configured to cause a computer to generate one or more elements associated with the GUI.

Popp discloses computer readable program code configured to cause the computer to associate each element of the GUI with a control mechanism. For example, see col. 4, lines 5-13 and line 42-67, which describes dynamically generating web pages (i.e. HTML elements) and providing the associated control mechanism (i.e. classes of objects) with each element within the web page.

Art Unit: 2173

Popp provides computer readable program code configured to cause the computer to generate a unique name space designation for each instance of the control mechanism at run-time (i.e. col. 3, lines 33-42), wherein the unique name space designation that is assigned to the corresponding control mechanism is used to formulate unique labels for data associated with the corresponding control mechanism. Popp provides a namespace (group name) that contains a set of named elements, such that the names (unique labels) within the group are resolved to a particular element. See col. 15, line 55 - col. 16, line 9. The unique group name (labels for data) in Popp determines the scope of the elements. Each group has a unique name. See col. 16, lines 30-47 and 64-67. Also, see col. 7, lines 7-12 and 19-23. The label is dynamically generated (i.e. col. 7, lines 56-57).

As a further example of unique namespaces in Popp, since Popp is directed to developing and managing internet transactions, Popp discloses in col. 3, lines 42-52 that a virtual session may be formed for each user accessing the application (i.e. a form); thus, each user instantiates the control mechanisms of the form (web page) within their own session id (unique name space). The session id serves as the name space (data label) to which the identification of the control mechanism is resolved.

Popp teaches computer readable program code configured to cause the computer to use the unique name space designation to generate one or more definitional statements. See col. 4, lines 20-26 and 35-41, which show how the plurality of definitional elements can be in a group (namespace) and generated by the group. Also see col. 19, line 60 – col. 20, line 20.

Referring to claims 21 and 28, Popp discloses a GUI system with a processor and method of using a namespace in generating a GUI that models a component of the GUI as a control that is implemented as program code (col. 4, lines 20-63) and dynamically generates at least one definitional statement for each instance of the component associated with the GUI using the program code. See col. 8, lines 38-60 and col. 17, lines 54-64. The definitional statement includes at least one attribute for the instance of the component, which assigns a unique namespace designation to the control (i.e. via dynamically creating the web page). The unique name space designation is used to name at least one attribute generated by the component (for example, FORM.EMPLOYEE; col. 20, line 6), wherein the name associated with the at least one attribute is uniquely derived from the instance of the component. See col. 4, lines 20-26, which show how the plurality of definitional elements can be in a group (namespace) and generated by the group. Also see col. 19, line 60 – col. 20, line 20. As a further example of unique namespaces in Popp, since Popp is directed to developing and managing internet transactions, Popp discloses in col. 3, lines 42-52 that a virtual session may be formed for each user accessing the application (i.e. a form); thus, each user instantiates the control mechanisms of the form (web page) within their own session (attribute of the instance) id (unique name space). The session id serves as the name space to which the identification of the control mechanism is resolved.

Referring to claims 15, Popp teaches computer readable program code configured to cause the computer to identify the control mechanism (i.e. class) with which the unique name space designation is associated. See col. 16, lines 30-47 and 64-67. Also, see col. 7, lines 7-12, 19-23 and 56-57 and col. 8, lines 38-62.

Art Unit: 2173

Referring to claims 16, 22-23, and 29, Popp discloses computer readable program code configured to cause the computer to configure the unique labels formulated for the data associated with the corresponding control mechanism to include at least the unique namespace designation for each instance of the control mechanism and a descriptive name for the data (i.e. FORM.EMPLOYEE, wherein "FORM" is the group label and "EMPLOYEE" is the descriptive name; col. 15, line 55 - col. 16, line 47) and computer readable program code to cause the to cause the computer to identify the control mechanism (i.e. class) as a recipient of the data based on the unique namespace designation associated with the corresponding unique label. See col. 16, lines 64-67. Col. 20, lines 28-37 describes how the control mechanism is identified as recipient of the data using the unique name space designation in the label ("FORM.EMPLOYEE"). Also, see col. 12, lines 1-14.

Referring to claims 17 and 25, the one or more definitional statements in Popp are Hypertext Markup Language (HTML) statements. See col. 3, lines 34-42 and col. 4, lines 48-52.

Referring to claims 18, 24, and 32, the program code (control) is an object-oriented object. See the Element Objects section on col. 11, specifically lines 7-35, which describe how code for the definitional statements can utilize object-oriented programming.

Referring to claim 20, Popp discloses that the first of the one or more elements associated with the GUI is defined as being within an influence of a second of the one or more elements associated with the GUI. See col. 4, lines 64-65, which describes that a control object (GUI element) can have sub controls.

Popp teaches associating a first unique name space designation with a definitional statement associated with the first of the one or more elements associated with the GUI. Popp

Art Unit: 2173

also teaches associating a second unique name space designation with one or more definitional statements associated with the second of the one or more elements associated with the GUI elements, and the second name space designation includes the first name space designation. See col. 17, lines 1-46. Table 5 shows “WEBPEOPLE” is contained in the “SELECT_FORM” object, and thus includes its name space designation. Also, see col. 16, lines 9-45, which shows the group/namespace “Select_Form” within the “Greeting” group/namespace.

Referring to claim 26, Popp discloses generating a design for the GUI that includes a plurality of GUI components. For example, see col. 4, lines 35-41.

Referring to claim 27, Popp discloses a first of the plurality of GUI components in the design is located within a second of the plurality of GUI components, wherein the unique namespace designation is associated with the second of the plurality of GUI components and further comprising generating at least one definitional statement for the first of the plurality of GUI components using the program code. The definitional statement includes at least one attribute for the first of the plurality of GUI components that comprises a first unique namespace designation, which includes the namespace designation associated with the second of the plurality of GUI components. See col. 17, lines 1-46. Table 5 shows “WEBPEOPLE” is contained in the “SELECT_FORM” object, and thus includes its name space designation. Also, see col. 16, lines 9-45, which shows the group/namespace “Select_Form” within the “Greeting” group/namespace.

Referring to claim 30, Popp discloses a browser application configured to generate a name-value pair, wherein the name portion includes the label. Col. 6, lines 40-48 describe the

Art Unit: 2173

use of a browser, such as Netscape© or Mosaic©, and col. 20, lines 28-38 describe the use of name-value pairs including a label.

Referring to claim 31, Popp teaches a page control configured to examine the name portion of the name-value pair and to direct the name-value pair based on the unique namespace designation in the name portion. See col. 21, line 60 – col. 22, line 50, which describe push and pull methods to send the program code the appropriate value associated with the appropriate name space designation. Also, see col. 26, line 61 – col. 27, line 4.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 19 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Popp.

Popp describes how any language could be used as the control, including Java. See col. 10, line 56 – col. 11, line 17 and col. 7, lines 52-58. Popp does not explicitly teach the use of a Java Bean, however Java Beans are notoriously well known to be used in Java, which Popp teaches as a language for the control. The Examiner takes Official Notice of this teaching. It would have been obvious to use a Java Bean as the control in a GUI, because of their reusability and efficient visual programming.

Response to Arguments

5. Applicant's arguments filed 12/15/03 have been fully considered but they are not persuasive.

6. In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., analyzing name value pairs) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

Applicant shows how this feature is supported in an exemplary embodiment in the specification, but does not show that this feature is claimed.

Applicant argues that Popp does not teach, "generating a unique namespace designation for each instance of the control mechanism, wherein the unique namespace designation that is assigned to the control mechanism is used to formulate unique labels for data associated with the corresponding control mechanism." However, Popp discloses generating a unique namespace for each instance of a class (control mechanism). For example each class may be instantiated within a group and a context, which provide the scope of the elements and make up the namespace for the class. See col. 15, line 55 - col. 16, line 47, and col. 20, lines 27-51. The namespace (group name) is used to formulate unique labels (i.e. FORM.EMPLOYEE) for data associated with the corresponding control mechanism. See col. 19, line 60 - col. 20, line 16.

Conclusion

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

Art Unit: 2173

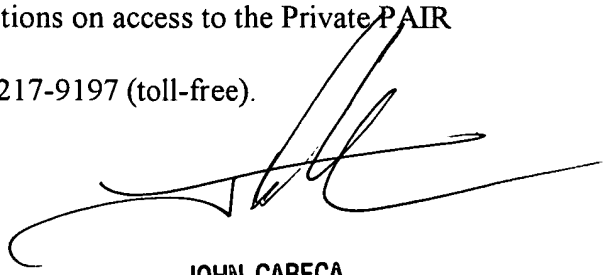
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shawn M. Becker whose telephone number is 703-305-7756. The examiner can normally be reached on M-Th 8:00 - 5:30 and alternating Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Cabeca can be reached on 703-308-3116. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

smb



JOHN CABECA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100